

Arul Arulrajah

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

310
papers

8,637
citations

53
h-index

77
g-index

324
ext. papers

10,732
ext. citations

4
avg, IF

6.95
L-index

#	Paper	IF	Citations
310	Improvement of Tensile Properties of Cement-Stabilized Soil Using Natural Rubber Latex. <i>Journal of Materials in Civil Engineering</i> , 2022 , 34,	3	2
309	Strength and permanent deformation properties of demolition wastes, glass, and plastics stabilized with foamed bitumen for pavement bases. <i>Construction and Building Materials</i> , 2022 , 320, 126108	6.7	0
308	Shear-induced anisotropy in granular materials under various saturation states. <i>Computers and Geotechnics</i> , 2022 , 143, 104606	4.4	0
307	Impact of Lime Stabilization on Swelling and Soil Water Retention Behavior of Expansive Subgrade. <i>Lecture Notes in Civil Engineering</i> , 2022 , 769-780	0.3	
306	Evaluation of rutting resistance and geotechnical properties of cement stabilized recycled glass, brick and concrete triple blends. <i>Transportation Geotechnics</i> , 2022 , 34, 100755	4	0
305	Stability investigation of the flood protection structure at Nava Nakorn industrial estate, Thailand. <i>Engineering Failure Analysis</i> , 2022 , 137, 106279	3.2	0
304	Hydro-Mechanical Behavior of Unsaturated Unbound Pavement Materials Under Repeated and Static Loading. <i>Lecture Notes in Civil Engineering</i> , 2022 , 377-390	0.3	
303	Reaction mechanism of alkali-activated brick clay mill residues. <i>Construction and Building Materials</i> , 2022 , 341, 127817	6.7	1
302	Improved Mechanical Properties of Cement-Stabilized Soft Clay Using Garnet Residues and Tire-Derived Aggregates for Subgrade Applications. <i>Sustainability</i> , 2021 , 13, 11692	3.6	0
301	Lightly Stabilized Loose Sands with Alkali-Activated Fly Ash in Deep Mixing Applications. <i>International Journal of Geomechanics</i> , 2021 , 21, 04021011	3.1	3
300	Load Bearing Capacity of Cohesive-Frictional Soils Reinforced with Full-Wraparound Geotextiles: Experimental and Numerical Investigation. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2973	2.6	3
299	Effect of Curing Time on the Performance of Fly Ash Geopolymer-Stabilized RAP Bases. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04021001	3	0
298	Dynamic characterization of recycled glass-recycled concrete blends using experimental analysis and artificial neural network modeling. <i>Soil Dynamics and Earthquake Engineering</i> , 2021 , 142, 106544	3.5	16
297	Hydraulic transmissivity of geocomposite confined with soils. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 175, 109106	4.6	
296	Axial Pullout Resistance and Interface Direct Shear Properties of Geogrids in Pond Ash. <i>International Journal of Geosynthetics and Ground Engineering</i> , 2021 , 7, 1	2	6
295	Thermal and mechanical properties of demolition wastes in geothermal pavements by experimental and machine learning techniques. <i>Construction and Building Materials</i> , 2021 , 280, 122499	6.7	16
294	The Application of Spent Coffee Grounds and Tea Wastes as Additives in Alkali-Activated Bricks. <i>Waste and Biomass Valorization</i> , 2021 , 12, 6273	3.2	0

293	Cyclic behavior of semi-rigid recovered plastic blends in railway track substructure. <i>Transportation Geotechnics</i> , 2021 , 28, 100514	4	7
292	Stabilization of PET plastic-demolition waste blends using fly ash and slag-based geopolymers in light traffic road bases/subbases. <i>Construction and Building Materials</i> , 2021 , 284, 122809	6.7	3
291	Durability improvement of cement stabilized pavement base using natural rubber latex. <i>Transportation Geotechnics</i> , 2021 , 28, 100518	4	8
290	Geotechnical and geoenvironmental engineering education during the pandemic. <i>Environmental Geotechnics</i> , 2021 , 8, 233-243	1.2	1
289	Improvement of flexural strength of concrete pavements using natural rubber latex. <i>Construction and Building Materials</i> , 2021 , 282, 122704	6.7	6
288	Performance improvement of asphalt concretes using fiber reinforcement. <i>Heliyon</i> , 2021 , 7, e07015	3.6	5
287	DEM simulation of the thermo-geomechanical effect of recycled concrete aggregate assemblies in geothermal pavement bases. <i>Transportation Geotechnics</i> , 2021 , 28, 100528	4	5
286	Environmental suitability, carbon footprint and cost savings of recycled plastic for railway applications. <i>International Journal of Sustainable Engineering</i> , 2021 , 14, 725-734	3.1	3
285	Resilient moduli of demolition wastes in geothermal pavements: Experimental testing and ANFIS modelling. <i>Transportation Geotechnics</i> , 2021 , 29, 100592	4	4
284	Investigating the thermal behaviour of geothermal pavements using Thermal Response Test (TRT). <i>Transportation Geotechnics</i> , 2021 , 29, 100576	4	3
283	Feasibility of producing non-fired compressed masonry units from brick clay mill residues by alkali activation. <i>Journal of Cleaner Production</i> , 2021 , 306, 126916	10.3	5
282	Fly ash based geopolymer stabilisation of silty clay/blast furnace slag for subgrade applications. <i>Road Materials and Pavement Design</i> , 2021 , 22, 357-371	2.6	18
281	Evaluation of polyvinyl alcohol and high calcium fly ash based geopolymer for the improvement of soft Bangkok clay. <i>Transportation Geotechnics</i> , 2021 , 27, 100476	4	6
280	Shakedown analysis of PET blends with demolition waste as pavement base/subbase materials using experimental and neural network methods. <i>Transportation Geotechnics</i> , 2021 , 27, 100481	4	14
279	Temperature and Duration Impact on the Strength Development of Geopolymerized Granulated Blast Furnace Slag for Usage as a Construction Material. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04020474	3	0
278	Soil-Cement Screw Pile: Alternative Pile for Low- and Medium-Rise Buildings in Soft Bangkok Clay. <i>Journal of Construction Engineering and Management - ASCE</i> , 2021 , 147, 04020173	4.2	4
277	Discrete element modeling of cemented recycled concrete aggregates under unconfined and k0 loading conditions. <i>Transportation Geotechnics</i> , 2021 , 26, 100450	4	8
276	Development of a Unique Test Apparatus to Conduct Axial and Transverse Pullout Testing on Geogrid Reinforcements. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04020406	3	5

275	Performance and Toxic Leaching Evaluation of Dense-Graded Asphalt Concrete Using Steel Slag as Aggregate. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04020432	3	2
274	Full scale consolidation test on ultra-soft soil improved by prefabricated vertical drains in MAE MOH mine, Thailand. <i>Geotextiles and Geomembranes</i> , 2021 , 49, 72-80	5.2	1
273	Removal of heavy metals from contaminated foundry sand through repeated soil-washing. <i>International Journal of Sustainable Engineering</i> , 2021 , 14, 39-45	3.1	3
272	Environmentally sustainable groundwater control during dewatering with barriers: A case study in Shanghai. <i>Underground Space (China)</i> , 2021 , 6, 12-23	3.7	2
271	Recycled Glass Blends with Recycled Concrete Aggregates in Sustainable Railway Geotechnics. <i>Sustainability</i> , 2021 , 13, 2463	3.6	10
270	Permanent Deformation and Rutting Resistance of Demolition Waste Triple Blends in Unbound Pavement Applications. <i>Materials</i> , 2021 , 14,	3.5	3
269	A prediction model for the loading-wetting volumetric behavior of unsaturated granular materials. <i>Soils and Foundations</i> , 2021 , 61, 623-623	2.9	1
268	Stress-dilatancy responses of recovered plastics and demolition waste blends as a construction material. <i>Construction and Building Materials</i> , 2021 , 297, 123762	6.7	0
267	Assessing the performance of geothermal pavement constructed using demolition wastes by experimental and CFD simulation techniques. <i>Geomechanics for Energy and the Environment</i> , 2021 , 29, 100271	3.7	1
266	Generalized Interface Shear Strength Equation for Recycled Materials Reinforced with Geogrids. <i>Sustainability</i> , 2021 , 13, 9446	3.6	1
265	Strength and Microstructure of Clay Geopolymer Non-Load-Bearing Masonry Units Using Fine-Clay Brick Waste and Palm Oil Fuel Ash. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04021189	3	1
264	Stress-strain response analysis of demolition wastes as aggregate base course of pavements. <i>Transportation Geotechnics</i> , 2021 , 30, 100599	4	6
263	Mechanical Properties of Fly Ash Asphalt Emulsion Geopolymer Stabilized Crushed Rock for Sustainable Pavement Base. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04021220	3	3
262	Crushing behavior of recycled waste materials: Experimental analysis and DEM simulation. <i>Construction and Building Materials</i> , 2021 , 299, 124226	6.7	
261	Modelling unsaturated soil-structure interfacial behavior by using DEM. <i>Computers and Geotechnics</i> , 2021 , 137, 104305	4.4	4
260	DEM modeling and experimental analysis of the breakage behavior of recycled crushed brick particles. <i>Transportation Geotechnics</i> , 2021 , 30, 100586	4	2
259	Engineering Characteristics and Environmental Risks of Utilizing Recycled Aluminum Salt Slag and Recycled Concrete as a Sustainable Geomaterial. <i>Sustainability</i> , 2021 , 13, 10633	3.6	1
258	Thermal performance of geothermal pavements constructed with demolition wastes. <i>Geomechanics for Energy and the Environment</i> , 2021 , 28, 100253	3.7	6

257	Geothermal Pavements: An Experimental and Numerical Study on Thermal Performance. <i>Sustainable Civil Infrastructures</i> , 2021 , 65-82	0.2	
256	Thermal performance of the ground in geothermal pavements. <i>E3S Web of Conferences</i> , 2020 , 205, 06015.5		3
255	Flexural fatigue behavior of fly ash geopolymer stabilized-geogrid reinforced RAP bases. <i>Construction and Building Materials</i> , 2020 , 254, 119263	6.7	13
254	Engineering and Leachate Characteristics of Granulated Blast-Furnace Slag as a Construction Material. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 04020153	3	5
253	Development of genetic-based models for predicting the resilient modulus of cohesive pavement subgrade soils. <i>Soils and Foundations</i> , 2020 , 60, 398-412	2.9	22
252	Performance Improvement of Asphalt Concretes Using Steel Slag as a Replacement Material. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 04020227	3	13
251	Fatigue Performance of Geosynthetic-Reinforced Asphalt Concrete Beams. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 04020206	3	7
250	Experimental investigation and modelling the deformation properties of demolition wastes subjected to freeze-thaw cycles using ANN and SVR. <i>Construction and Building Materials</i> , 2020 , 258, 119688	6.7	22
249	Cement-treated recycled glass and crushed rock blends: modulus of rupture and stiffness properties. <i>International Journal of Pavement Engineering</i> , 2020 , 1-11	2.6	3
248	Consolidation behavior of dredged ultra-soft soil improved with prefabricated vertical drain at the Mae Moh mine, Thailand. <i>Geotextiles and Geomembranes</i> , 2020 , 48, 561-571	5.2	12
247	Discrete element analysis of recycled concrete aggregate responses during repeated load triaxial testing. <i>Transportation Geotechnics</i> , 2020 , 23, 100356	4	12
246	Experimental and ANN analysis of temperature effects on the permanent deformation properties of demolition wastes. <i>Transportation Geotechnics</i> , 2020 , 24, 100365	4	26
245	Recovered plastic and demolition waste blends as railway capping materials. <i>Transportation Geotechnics</i> , 2020 , 22, 100320	4	19
244	Field study on concrete footpath with recycled plastic and crushed glass as filler materials. <i>Construction and Building Materials</i> , 2020 , 243, 118277	6.7	6
243	Interface shear strength properties of geogrid-reinforced steel slags using a large-scale direct shear testing apparatus. <i>Geotextiles and Geomembranes</i> , 2020 , 48, 625-633	5.2	15
242	Shear strength properties and stress-strain behavior of waste foundry sand. <i>Construction and Building Materials</i> , 2020 , 249, 118761	6.7	14
241	Cement stabilisation of recycled concrete aggregate modified with polyvinyl alcohol. <i>International Journal of Pavement Engineering</i> , 2020 , 1-9	2.6	10
240	Ground Response due to Construction of Shallow Pipe-Jacked Tunnels in Sandy Soil: Laboratory Investigation. <i>Journal of Testing and Evaluation</i> , 2020 , 48, 20170217	1	3

239	Physical and mechanical properties of natural rubber modified cement paste. <i>Construction and Building Materials</i> , 2020 , 244, 118319	6.7	15
238	Pullout resistance mechanism of bearing reinforcement embedded in coarse-grained soils: Laboratory and field investigations. <i>Transportation Geotechnics</i> , 2020 , 22, 100297	4	5
237	Environmental and geotechnical suitability of recycling waste materials from plasterboard manufacturing. <i>Waste Management and Research</i> , 2020 , 38, 383-391	4	2
236	Recycling waste rubber tyres in construction materials and associated environmental considerations: A review. <i>Resources, Conservation and Recycling</i> , 2020 , 155, 104679	11.9	126
235	Predicting Pullout Resistance of Bearing Reinforcement Embedded in Cohesive-Frictional Soils. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 04019379	3	5
234	Stiffness and flexural strength evaluation of cement stabilized PET blends with demolition wastes. <i>Construction and Building Materials</i> , 2020 , 239, 117819	6.7	11
233	Wheel tracker testing of recycled concrete and tyre aggregates in Australia. <i>Geotechnical Research</i> , 2020 , 7, 49-57	1.2	4
232	Laboratory Investigation of Cement-Stabilized Marginal Lateritic Soil by Crushed Slag Fly Ash Replacement for Pavement Applications. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 04019353	3	8
231	Mechanical Strength Improvement of Cement-Stabilized Soil Using Natural Rubber Latex for Pavement Base Applications. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 04020372	3	11
230	Shakedown analysis of recycled materials as railway capping layer under cyclic loading. <i>Soil Dynamics and Earthquake Engineering</i> , 2020 , 139, 106423	3.5	14
229	Compressibility and strength development of geopolymer stabilized columns cured under stress. <i>Soils and Foundations</i> , 2020 , 60, 1241-1250	2.9	9
228	Hybrid Formulation of Resilient Modulus for Cohesive Subgrade Soils Utilizing CPT Test Parameters. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 06020011	3	3
227	Application of artificial neural network models for predicting the resilient modulus of recycled aggregates. <i>International Journal of Pavement Engineering</i> , 2020 , 1-13	2.6	8
226	Effect of moisture sensitivity on the light stabilisation of demolition materials in pavement bases. <i>Road Materials and Pavement Design</i> , 2020 , 1-15	2.6	3
225	Pollutant treatment efficiencies through rainwater tank, recycled foamed glass and geofabrics. <i>International Journal of Sustainable Engineering</i> , 2020 , 1-7	3.1	1
224	Evaluation of shear strength properties of unbound PET plastic in blends with demolition wastes. <i>Construction and Building Materials</i> , 2020 , 262, 120545	6.7	4
223	Effect of Swell/Shrink Cycles on Volumetric Behavior of Compacted Expansive Clay Stabilized Using Lime. <i>International Journal of Geomechanics</i> , 2020 , 20, 04020212	3.1	2
222	Interface shear behaviours between recycled concrete aggregate and geogrids for pavement applications. <i>International Journal of Pavement Engineering</i> , 2020 , 21, 228-235	2.6	21

221	Alkali activation of lime kiln dust and fly ash blends for the stabilisation of demolition wastes. <i>Road Materials and Pavement Design</i> , 2020 , 21, 1514-1528	2.6	4
220	Analysis of a tunnel failure caused by leakage of the shield tail seal system. <i>Underground Space (China)</i> , 2020 , 5, 105-114	3.7	16
219	Variation of hydro-environment during past four decades with underground sponge city planning to control flash floods in Wuhan, China: An overview. <i>Underground Space (China)</i> , 2020 , 5, 184-198	3.7	17
218	Strength development of recycled concrete aggregate stabilized with fly ash-rice husk ash based geopolymer as pavement base material. <i>Road Materials and Pavement Design</i> , 2020 , 21, 2344-2355	2.6	19
217	Clegg impact hammer: an equipment for evaluation of the strength characteristics of pavement materials, turf, and natural and artificial playing surfaces: a review. <i>Road Materials and Pavement Design</i> , 2020 , 21, 467-485	2.6	1
216	Wetting-drying cycles durability of cement stabilised marginal lateritic soil/melamine debris blends for pavement applications. <i>Road Materials and Pavement Design</i> , 2020 , 21, 500-518	2.6	11
215	Properties of Asphalt Concrete Using Aggregates Composed of Limestone and Steel Slag Blends. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 06020007	3	6
214	Compressibility of ultra-soft soil in the Mae Moh Mine, Thailand. <i>Engineering Geology</i> , 2020 , 271, 1055946		3
213	Amazing Types, Properties, and Applications of Fibres in Construction Materials. <i>Materials</i> , 2019 , 12,	3.5	37
212	Land Subsidence Control Zone and Policy for the Environmental Protection of Shanghai. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	13
211	Utilization of recycled concrete aggregates for light-stabilization of clay soils. <i>Construction and Building Materials</i> , 2019 , 227, 116792	6.7	37
210	Nanoparticles in Construction Materials and Other Applications, and Implications of Nanoparticle Use. <i>Materials</i> , 2019 , 12,	3.5	68
209	Impact of potassium cations on the light chemical stabilization of construction and demolition wastes. <i>Construction and Building Materials</i> , 2019 , 203, 69-74	6.7	27
208	Utilizing recycled PET blends with demolition wastes as construction materials. <i>Construction and Building Materials</i> , 2019 , 221, 200-209	6.7	41
207	Collapse and Swell of Lime Stabilized Expansive Clays in Void RatioMoisture RatioNet Stress Space. <i>International Journal of Geomechanics</i> , 2019 , 19, 04019105	3.1	6
206	Strength and Microstructure of Palm Oil Fuel AshFly AshSoft Soil Geopolymer Masonry Units. <i>Journal of Materials in Civil Engineering</i> , 2019 , 31, 04019164	3	14
205	Digital Image Correlation Technique for Measurement of Surface Strains in Reinforced Asphalt Concrete Beams under Fatigue Loading. <i>Journal of Materials in Civil Engineering</i> , 2019 , 31, 04019135	3	6
204	Environmental assessment of cement-stabilised lateritic soil/melamine debris for Thailand pavement. <i>Environmental Geotechnics</i> , 2019 , 1-7	1.2	3

203	Tire derived aggregates as a supplementary material with recycled demolition concrete for pavement applications. <i>Journal of Cleaner Production</i> , 2019 , 230, 129-136	10.3	20
202	Recycled Concrete Aggregate Modified with Polyvinyl Alcohol and Fly Ash for Concrete Pavement Applications. <i>Journal of Materials in Civil Engineering</i> , 2019 , 31, 04019103	3	24
201	Field evaluation of a new hydroxyapatite based binder for ex-situ solidification/stabilization of a heavy metal contaminated site soil around a Pb-Zn smelter. <i>Construction and Building Materials</i> , 2019 , 210, 278-288	6.7	42
200	Small-Strain Behavior of Cement-Stabilized Recycled Concrete Aggregate in Pavement Base Layers. <i>Journal of Materials in Civil Engineering</i> , 2019 , 31, 04019044	3	24
199	In-situ solidification/stabilization of heavy metals contaminated site soil using a dry jet mixing method and new hydroxyapatite based binder. <i>Journal of Hazardous Materials</i> , 2019 , 369, 353-361	12.8	70
198	Environmental and economic viability of Alkali Activated Material (AAM) comprising slag, fly ash and spent coffee ground. <i>International Journal of Sustainable Engineering</i> , 2019 , 12, 223-232	3.1	18
197	Impact of suffusion on the cyclic and post-cyclic behaviour of an internally unstable soil. <i>Geotechnique Letters</i> , 2019 , 9, 218-224	1.7	7
196	Utilization of Alkali-Activated Fly Ash for Construction of Deep Mixed Columns in Loose Sands. <i>Journal of Materials in Civil Engineering</i> , 2019 , 31, 04019233	3	14
195	Lubrication performance of pipejacking in soft alluvial deposits. <i>Tunnelling and Underground Space Technology</i> , 2019 , 91, 102991	5.7	52
194	Performance Evaluation of Jacking Force Models for Tunnel Bore Conditions Characterisation. <i>Sustainable Civil Infrastructures</i> , 2019 , 34-46	0.2	
193	Development of a void ratio-moisture ratio-net stress framework for the prediction of the volumetric behavior of unsaturated granular materials. <i>Soils and Foundations</i> , 2019 , 59, 443-457	2.9	7
192	Geotechnical properties of steel slag aggregates: Shear strength and stiffness. <i>Soils and Foundations</i> , 2019 , 59, 1591-1601	2.9	5
191	Stiffness and strength characteristics of demolition waste, glass and plastics in railway capping layers. <i>Soils and Foundations</i> , 2019 , 59, 2238-2253	2.9	16
190	Solidification and stabilisation of metal plating sludge with fly ash geopolymers. <i>Environmental Geotechnics</i> , 2019 , 1-10	1.2	2
189	Flexural fatigue strength of demolition aggregates stabilized with alkali-activated calcium carbide residue. <i>Construction and Building Materials</i> , 2019 , 199, 115-123	6.7	25
188	Tyre derived aggregates and waste rock blends: Resilient moduli characteristics. <i>Construction and Building Materials</i> , 2019 , 201, 207-217	6.7	10
187	Extended water/cement ratio law for cement mortar containing recycled asphalt pavement. <i>Construction and Building Materials</i> , 2019 , 196, 457-467	6.7	13
186	Recycling waste materials in geopolymer concrete. <i>Clean Technologies and Environmental Policy</i> , 2019 , 21, 493-515	4.3	53

185	Impact of field conditions on the strength development of a geopolymer stabilized marine clay. <i>Applied Clay Science</i> , 2019 , 167, 33-42	5.2	41
184	Volumetric Behavior and Soil Water Characteristic Curve of Untreated and Lime-Stabilized Reactive Clay. <i>International Journal of Geomechanics</i> , 2019 , 19, 04018192	3.1	7
183	Strength evaluation of utilizing recycled plastic waste and recycled crushed glass in concrete footpaths. <i>Construction and Building Materials</i> , 2019 , 197, 489-496	6.7	54
182	Investigation of a large ground collapse and countermeasures during mountain tunnelling in Hangzhou: a case study. <i>Bulletin of Engineering Geology and the Environment</i> , 2019 , 78, 991-1003	4	14
181	Palm oil fuel ash-soft soil geopolymer for subgrade applications: strength and microstructural evaluation. <i>Road Materials and Pavement Design</i> , 2019 , 20, 110-131	2.6	32
180	Effect of cumulative traffic and statistical predictive modelling of field skid resistance. <i>Road Materials and Pavement Design</i> , 2019 , 20, 426-439	2.6	14
179	Stiffness and strength properties of spent coffee grounds-recycled glass geopolymers. <i>Road Materials and Pavement Design</i> , 2019 , 20, 623-638	2.6	14
178	Strength prediction of cement-stabilised reclaimed asphalt pavement and lateritic soil blends. <i>International Journal of Pavement Engineering</i> , 2019 , 20, 332-338	2.6	16
177	Flood risk assessment in metro systems of mega-cities using a GIS-based modeling approach. <i>Science of the Total Environment</i> , 2018 , 626, 1012-1025	10.2	184
176	Durability against wetting-drying cycles for cement-stabilized reclaimed asphalt pavement blended with crushed rock. <i>Soils and Foundations</i> , 2018 , 58, 333-343	2.9	15
175	Cutter-disc consumption during earth pressure balance tunnelling in mixed strata. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2018 , 171, 363-376	0.9	31
174	Compressive and Flexural Strength of Polyvinyl Alcohol Modified Pavement Concrete Using Recycled Concrete Aggregates. <i>Journal of Materials in Civil Engineering</i> , 2018 , 30, 04018046	3	28
173	Tunneling induced geohazards in mylonitic rock faults with rich groundwater: A case study in Guangzhou. <i>Tunnelling and Underground Space Technology</i> , 2018 , 74, 262-272	5.7	58
172	Progressive Internal Erosion in a Gap-Graded Internally Unstable Soil: Mechanical and Geometrical Effects. <i>International Journal of Geomechanics</i> , 2018 , 18, 04017160	3.1	25
171	Effects of industrial by-product based geopolymers on the strength development of a soft soil. <i>Soils and Foundations</i> , 2018 , 58, 716-728	2.9	52
170	Failure of riverbank protection structure and remedial approach: A case study in Suraburi province, Thailand. <i>Engineering Failure Analysis</i> , 2018 , 91, 243-254	3.2	7
169	Investigation into the tempo-spatial distribution of recent fire hazards in China. <i>Natural Hazards</i> , 2018 , 92, 1889-1907	3	6
168	Recycled concrete aggregate/municipal glass blends as a low-carbon resource material for footpaths. <i>Road Materials and Pavement Design</i> , 2018 , 19, 727-740	2.6	16

167	Impact of curing on behaviour of basaltic expansive clay. <i>Road Materials and Pavement Design</i> , 2018 , 19, 624-645	2.6	14
166	Impact of compaction method on mechanical characteristics of unbound granular recycled materials. <i>Road Materials and Pavement Design</i> , 2018 , 19, 912-934	2.6	18
165	A new approach for determining resilient moduli of marginal pavement base materials using the staged repeated load CBR test method. <i>Road Materials and Pavement Design</i> , 2018 , 19, 1848-1867	2.6	11
164	Practical approach to predict the shear strength of fibre-reinforced clay. <i>Geosynthetics International</i> , 2018 , 25, 50-66	3.3	52
163	Environmental Suitability and Carbon Footprint Savings of Recycled Tyre Crumbs for Road Applications. <i>International Journal of Environmental Research</i> , 2018 , 12, 693-702	2.9	4
162	Alkali-activation of fly ash and cement kiln dust mixtures for stabilization of demolition aggregates. <i>Construction and Building Materials</i> , 2018 , 186, 71-78	6.7	31
161	Prediction of Ground Deformation during Pipe-Jacking Considering Multiple Factors. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1051	2.6	19
160	Landslide Event on 24 June in Sichuan Province, China: Preliminary Investigation and Analysis. <i>Geosciences (Switzerland)</i> , 2018 , 8, 39	2.7	11
159	Assessment of Geohazards and Preventative Countermeasures Using AHP Incorporated with GIS in Lanzhou, China. <i>Sustainability</i> , 2018 , 10, 304	3.6	79
158	Prediction Model of TBM Disc Cutter Wear During Tunnelling in Heterogeneous Ground. <i>Rock Mechanics and Rock Engineering</i> , 2018 , 51, 3599-3611	5.7	65
157	Investigation of Collapsed Building Incidents on Soft Marine Deposit: Both from Social and Technical Perspectives. <i>Land</i> , 2018 , 7, 20	3.5	14
156	Environmental changes in Ariake Sea of Japan and their relationships with Isahaya Bay reclamation. <i>Marine Pollution Bulletin</i> , 2018 , 135, 832-844	6.7	9
155	A review of jet grouting practice and development. <i>Arabian Journal of Geosciences</i> , 2018 , 11, 1	1.8	33
154	Stabilization of soft clay using short fibers and poly vinyl alcohol. <i>Geotextiles and Geomembranes</i> , 2018 , 46, 646-655	5.2	66
153	Performance of Fiber-Reinforced Asphalt Concretes with Various Asphalt Binders in Thailand. <i>Journal of Materials in Civil Engineering</i> , 2018 , 30, 04018193	3	29
152	Scenario-Based Inundation Analysis of Metro System in Urban Area of Shanghai 2018 , 15-22		
151	Post-breakage changes in particle properties using synchrotron tomography. <i>Powder Technology</i> , 2018 , 325, 530-544	5.2	15
150	A simple approach for characterising tunnel bore conditions based upon pipe-jacking data. <i>Tunnelling and Underground Space Technology</i> , 2018 , 71, 494-504	5.7	99

149	Evaluation of ground loss ratio with moving trajectories induced in double-O-tube (DOT) tunnelling. <i>Canadian Geotechnical Journal</i> , 2018 , 55, 894-902	3.2	63
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